

Tuesday, March 18, 1997
MARS REMOTE SENSING
8:30 a.m. Room B

Chairs: J. F. Bell III
W. M. Calvin

Garvin J. B.*
Particle Size Distribution Analysis of Mars Lander Sites

Craddock R. A.* Eaton L. S. Russo C. J. Torley R. F.
A New Method for Determining the Emplacement Mechanism(s) of Rocks on Mars

Feely K. C.* Christensen P. R.
Modal Abundances of Rocks Using Infrared Emission Spectroscopy

Cimino G. Calvin W. M.*
The Mariner 7 Infrared Spectra: Calibration and a Preview for TES

Scheinost A. C.* Schwertmann U.
VIS-NIR Reflectance Spectra of Goethite (α -FeOOH) as a Function of Particle Size, Unit-Cell Size, and Cation Substitutions

Bishop J. L.* Pieters C. M. Hiroi T.
Spectroscopic Properties of Martian Meteorite ALH84001 and Identification of Minerals and Organic Species

Bell J. F. III* Thomas P. C. Wolff M. J. Lee S. W. James P. B.
Mineralogy of the Martian North Polar Sand Sea from 1995 Hubble Space Telescope Near-IR Observations

Cooper C. D.* Mustard J. F.
Loss of Spectral Contrast in Hyperfine Palagonite: Implications for Smectite on Mars

Guinness E. A.* Arvidson R. E. Shepard M. K. Clark I.
Optical Scattering Properties of Terrestrial Varnished Basalts Compared with Rocks and Soils at the Viking Lander Sites

Morris R. V.*
Low-Temperature Reflectivity Spectra of Ferric Mineralogies: Implications for Identification of Mineral Phases on Mars

Yen A. S.* Murray B. C. Grunthaner F. J. Rossman G. R.
Ultraviolet Radiation-Induced Dehydration of Minerals: New Experiments

Ivanov A. B.* Muhleman D. O. Vasavada A. R.
Microwave Thermal Emission Mapping of the Stealth Region on Mars

Baron J. E.* Simpson R. A. Tyler G. L.
Radiowave Scattering from Surface Rocks: Application to Mars Viking and Pathfinder Landing Sites